



CONTENTS OF VOLUME 36

Number 1

Economic Trade-Off Between Pasture Production and Crop Weed Control AMIR K. ABADI GHADIM & DAVID J. PANNELL (Australia)	1
Evaluation of Four Simulation Models of Cattle Growth and Body Composition: Part II—Simulation and Comparison with Experimental Growth Data R. N. ARNOLD & G. L. BENNETT (USA)	17
Management Systems Analysis as Guidance for Effective Interdisciplinary Grazingland Research JERRY W. STUTH, CHARLES J. SCIFRES, WAYNE T. HAMILTON & J. RICHARD CONNER (USA)	43
The Technology Adoption Process in Subsistence Agriculture: The Case of Cassava in Southwestern Nigeria RUDOLPH A. POLSON & DUNSTAN S. C. SPENCER (Nigeria)	65
The Potential Economic Returns to the Australian Beef Industry from a New Twinning Technology R. J. FARQUHARSON & G. R. GRIFFITH (Australia)	79
An Economic Nutrition Model of Beef Production R. M. MEEK & D. J. KILPATRICK (UK)	105
Book Reviews	117

Number 2

Modeling of the Dynamics of Accelerated Growth Following Feed Restriction in Chicks HOVAV TALPAZ (Israel), PETER J. H. SHARPE, HSIN-I. WU (USA) & ISAAK PLAVNIK, SHMUEL HURWITZ (Israel)	125
Evaluating Biological Productivity in Intercropping Systems with Production Possibility Curves RADHA RANGANATHAN, MARCEL FAFCHAMPS & THOMAS S. WALKER (India)	137
Local Adaptation, Varietal Diversity and the Skewness of Regional Crop Yields HUNG P. NGUYEN & JOCK R. ANDERSON (USA)	159

Farmer Participatory Research and Agroforestry Development—A Case Study from Northern Zambia	173
STEIN T. HOLDEN & LAWRENCE OTIKA JOSEPH (Norway)	
A Set of Farmer-Based Diagnostic Methods for Setting Post 'Green Revolution' Rice Research Priorities	191
SAM FUJISAKA (The Philippines)	
The Economics of Water Harvesting and Supplementary Irrigation in the Semi-Arid Tropics of India	207
SUSHIL PANDEY (Australia)	
Modelling Export Opportunities for the Hong Kong Fresh Fruit and Vegetable Market	221
D. G. MAYER, D. SCHOORL & J. E. HOLT (Australia)	
A Mathematical Forecasting Model for the Annual Prevalence of Fasciolosis	231
E. A. GOODALL, S. G. McILROY, R. M. McCracken, E. M. McLOUGHLIN & S. M. TAYLOR (UK)	
Book Reviews	241
Announcement	249

Number 3

Productive and Stable Pasture Systems for Cattle Fattening in the Humid Tropics.	
1. Field Testing on a Naturally Fertile Site	251
J. K. TEITZEL, R. J. WILSON & W. MELLOR (Australia)	
Productive and Stable Pasture Systems for Cattle Fattening in the Humid Tropics.	
2. Field Testing on a Naturally Infertile Site	267
J. K. TEITZEL & R. J. WILSON (Australia)	
Productive and Stable Pasture Systems for Cattle Fattening in the Humid Tropics.	
3. Development and Use of a Computer Model to Evaluate Management Options	279
J. K. TEITZEL (Australia)	
Expert System for Irrigation Management (ESIM)	297
R. SRINIVASAN, BERNARD A. ENGEL & G. N. PAUDYAL (USA/Thailand)	
Efficiency and Fractal Behaviour of Optimisation Methods on Multiple-Optima Surfaces	315
D. G. MAYER, D. SCHOORL, D. G. BUTLER & A. M. KELLY (Australia)	

Contents of Volume 36

501

A Simulation Model for the Dynamics of Rice Growth and Development: III. Validation of the Model with High-Yielding Varieties.	329
B. GRAF, M. DINGKUHN, F. SCHNIER, V. CORONEL & S. AKITA (Switzerland/The Philippines/Japan)	
Modelling Growth and Productivity of Yams (<i>Dioscorea</i> Spp.): Prospects and Problems	351
I. C. ONWUEME & A. J. HAVERKORT (The Netherlands)	
Book Reviews	369
Announcement	373

Number 4

A Procedure to Reduce Parameter Uncertainty for Complex Models by Comparison with Real System Output Illustrated on a Potato Growth Model	375
O. KLEPPER & D. I. ROUSE (The Netherlands/Indonesia)	
A Case Study of Institutional Change in an Agricultural Research Organization	397
D. SCHOORL & J. E. HOLT (Australia)	
Highlights From the Use of the Soft Systems Methodology to Improve Agrotechnology Transfer in Kona, Hawaii	409
PAMELA A. MILLS-PACKO, KATHLEEN WILSON & PETER ROTAR (USA)	
Modeling Acreage Response with Risk Consideration: The Case of Estate Tobacco in Malawi	427
DUNCAN M. CHEMBEZI (USA)	
A Warm-Season Annual Grass Growth Model Parameterized for Maize and Sudangrass	439
V. RAO KANNEGANTI & GARY W. FICK (USA)	
Simulation of Yield Distributions in Millet-Cowpea Intercropping	471
J. LOWENBERG-DeBOER, MARK KRAUSE, ROBERT DEUSON & K. C. REDDY (USA)	
Book Reviews	489
Announcements	497